

Creatine Kinase MB Active Protein | CKMB active protein

Creatine Kinase MB Isoenzyme, Human Heart

CATALOG #
AAA11458

HOST
Human Heart

PRODUCT SYNONYMS

Creatine Kinase MB; Creatine Kinase MB Isoenzyme; Human Heart; CKMB; CK-MB; CKMB active protein

PRODUCT SPECIFICATIONS

Host	Human Heart
Form/Format	0.2 micron filtered solution in 10 mM tris-succinate, 2 mM DTT , 2 mM EDTA, 175 mM sodium chloride, pH 7.0 with glycerol added to 50% (v/v)
CAS Number	9001-15-4
E.C Number	2.7.3.2
Appearance	Clear, light brown solution
Activity	1,720 U/mL (Dimension® Clinical Chemistry System)
Unit definition	One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.
Protein	20 mg/mL (Coomassie)
Specific activity	83 U/mg protein
Electrophoresis	≥ 99% CKMB (Helena Quick Gel® CK)
Contaminants	GOT < 1% LDH < 1%
Handling	Handle as a potentially hazardous substance
Recovery	Centrifuge briefly to ensure complete recovery.
Preparation and Storage	Store at -20°C

ADDITIONAL INFORMATION

Related Product Information for CKMB active protein	We produces human cardiac Creatine Kinase MB (CK-MB) isoenzyme for research, life science and use as a control or calibrator for manufacturing. Custom preparations, technical support, bulk quantities and aliquoting available. Human Creatine Kinase is one of the most important myocardial markers (in spite of not being altogether cardiac-specific), with well-established roles in confirming acute myocardial infarction (AMI). It can also used for monitoring reperfusion during thrombolytic therapy following AMI. Testing is performed when the total Creatine Phosphokinase (CPK) level is elevated. Isoenzyme testing can help differentiate the source of the damaged tissue. Human CPK enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes: Creatine Kinase MM, BB, and MB isoenzymes exist.
Product Categories/Family for CKMB active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Creatine Kinase Mb (ck-mb)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536288
NCBI Accession #	NP_001815.2
NCBI GenBank Nucleotide #	NM_001824.4
Molecular Weight	84,000

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-heart-ckmb-active-protein/creatine-kinase-mb/11458>